

- 8 -

CLAIMS

- 1 1. A method for providing video to at least one subscriber in a wireless Local Area
2 Network (LAN) comprising the steps of
3 receiving video from at least one source,
4 encoding the video into at least one prescribed format;
5 broadcasting the video on a video channel having an RF carrier frequency different from
6 a carrier frequency of a data channel over which data is transmitted; and
7 maintaining the video channel in a one-way broadcast-only mode at least while the video
8 channel carries video, thereby precluding a subscriber from uplinking information on the video
9 channel.
- 1 2. The method according to claim 1 wherein wireless LAN utilizes at least one of the
2 IEEE 802.11 and ETSI/Hiperlan2 protocols and wherein the broadcast-only mode of the video
3 channel is maintained by adjusting at least one parameter specified by the at least one protocol.
- 1 3. The method according to claim 1 wherein the wireless LAN utilizes the IEEE
2 802.11 protocol and wherein the broadcast-only mode of the video channel is maintained by
3 adjusting at a wireless access point a Network Allocation Vector (NAV) present in frames
4 carrying the broadcasted video.
- 1 4. The method according to claim 1 wherein the wireless LAN utilizes the
2 ETSI/Hiperlan2 protocol and wherein the broadcast-only mode of the video channel is
3 maintained by removing access to a Random Channel.
- 1 5. The method according to claim 1 wherein the video is received from multiple
2 sources.
- 1 6. The method according to claim 1 wherein the video is encoded in accordance with
2 one of the MPEG 2 and JVT (MPEG 4 part 10/H.264) formats.
- 1 7. Apparatus for providing video to at least one subscriber in a wireless Local Area
2 Network (LAN) comprising of

- 9 -

3 a receiver for receiving video from at least one source,
4 an encoder for encoding the video from the receiver into at least one prescribed format;
5 a video broadcast network for broadcasting the video from the encoder on a video channel
6 having a frequency different from a data channel over which data is broadcast while maintaining
7 the video channel in a broadcast-only mode, thereby precluding a subscriber from uplinking
8 information on the video channel.

1 8. The apparatus according to claim 7 wherein the video broadcast system
2 comprises:
3 a video Local Area Network (LAN) connected to encoder; and
4 at least one Video Access Point (VAP) connected to the Video LAN for broadcasting the
5 video carried by the video LAN from the encoder and for maintaining the video channel in the
6 broadcast-only mode.

1 9. The apparatus according to claim 8 wherein the at least one VAP utilizes at least
2 one of the IEEE 802.11 and ETSI/Hiperlan2 protocols and wherein the VAP maintains the
3 broadcast-only mode of the video channel by adjusting at least one parameter of the broadcasted
4 video in accordance with the at least one protocol.

1 10. The apparatus according to claim 8 wherein the at least one VAP utilizes the IEEE
2 802.11 protocol and wherein the VAP maintains the broadcast-only mode of the video channel
3 by adjusting a Network Allocation Vector (NAV) present in frames carrying the broadcasted
4 video.

1 11. The apparatus according to claim 8 wherein the VAP utilizes the ETSI/Hiperlan2
2 protocol and wherein the VAP maintains the broadcast-only mode of the video channel by
3 removing a Random Channel.

1 12. The apparatus according to claim 7 wherein the encoder encodes the video in
2 accordance with one of the MPEG 2 and JVT (MPEG 4 part 10/H.264) formats.

1 13. A method for receiving broadcast video at a mobile wireless communications
2 device, comprising the steps of:

- 10 -

3 initiating selection of a video Local Area Network (LAN) upon user actuation of the
4 device; and
5 detecting transmission of the video broadcast from video LAN without trying to uplink
6 traffic to said video LAN.

1 14. The method according to claim 13 further comprising the step of setting up
2 different protocol layers with a minimum static configuration within the mobile wireless
3 communication device.